AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Patent Application No. 09/824,049

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method of adjusting transmit times at the radio interface between a network and at least one mobile ~~stations~~ station in mobile radio system, ~~in which method~~ the method comprising:

generating at said mobile station an adjustment command for adjusting said transmit times; and

performing adjustments of said transmit times at said mobile station based on said adjustment command, whercin said adjustment command is generated based on adjustment control information received from said network so that said adjustments ~~effected~~ performed by said mobile ~~stations~~ station are controlled by said network.

2. (Currently Amended) The method ~~claimed in~~ of claim 1, ~~which uses~~ wherein said adjustment control information comprises a command for activating or deactivating said adjustments.

3. (Currently Amended) The method ~~claimed in~~ of claim 1, ~~which uses~~ wherein said adjustment control information comprises a maximum amplitude command ~~in respect of said adjustments~~.

4. (Currently Amended) The method ~~claimed in~~ of claim 1, ~~which uses~~ wherein said adjustment control information comprises a maximum frequency command ~~in respect of said adjustments~~.

5. (Currently Amended) The method ~~claimed in~~ of claim 1, ~~which uses~~ wherein said adjustment control information comprises a maximum amplitude command and a maximum frequency command ~~in respect of said adjustments~~.

6. (Currently Amended) The method ~~claimed in~~ of claim 5, wherein said maximum amplitude command ~~in respect of said adjustments caters~~ provides for a null amplitude corresponding to deactivation of said adjustments.

7. (Currently Amended) The method ~~claimed in~~ of claim 1, wherein said adjustment control information is broadcast on a common signaling channel.

8. (Currently Amended) The method ~~claimed in~~ of claim 1, wherein said adjustment control information is transmitted over a dedicated signaling channel.

9. (Currently Amended) The method claimed in claim 8, wherein said adjustment control information is transmitted in a "soft handover" message on a dedicated signaling channel.

10. (Currently Amended) The method ~~claimed in~~ of claim 1, ~~wherein said adjustments optimize the reaction time of an inner power control loop~~.

15. (Currently Amended) A mobile radio network ~~equipment unit that includes means for transmitting control information for adjusting times of transmission by mobile stations~~ comprising a base station controller configured to generate adjustment control information based on adjustment request information transmitted from a mobile station, wherein said adjustment control information is transmitted to said mobile station which generates an adjustment command for adjusting transmit times based on said adjustment control information so that adjustments performed by said mobile station are controlled by said base station controller.

16. (Currently Amended) A mobile station ~~that includes means for controlling adjustment of its transmit times as a function of control information received from a network~~ comprising:

means for generating an adjustment command for adjusting transmit times; and

means for performing adjustments of said transmit times based on said adjustment command, wherein said adjustment command is generated based on adjustment control information received from said network so that said adjustments are controlled by said network.

18

13. (Currently Amended) A mobile radio ~~system that includes a mobile radio network including means for transmitting control information for adjustment of times of transmission by mobile stations and mobile stations including means for controlling adjustment of their times of transmission as a function of control information received from the~~ network, comprising:

a base station controller configured to generate adjustment control information; and

a mobile station configured to generate an adjustment command for adjusting transmit times and perform adjustments of said transmit times at said mobile station based on said adjustment command, wherein said adjustment command is generated based on said adjustment control information generated by said base station controller so that said adjustments are controlled by said base station controller.

11

14. (New) The method of claim 1, further comprising:

determining at the mobile station whether a difference between reception times at the mobile station and transmission times at the mobile station is within a predetermined range;

transmitting adjustment request information from the mobile station to a base station of the network if the difference is outside of the predetermined range;

transmitting the adjustment control information from the base station to the mobile station in response to the adjustment request information.

12

15. (New) The method of claim 14, further comprising:

transmitting the adjustment request information from the base station to a base station controller of the network;

generating the adjustment control information and adjustment command information at the base station controller based on the adjustment request information;

transmitting the adjustment control information and the adjustment command information from the base station controller to the base station; and

adjusting the transmit times at the base station based on the adjustment command.

16. (New) The method of claim 14, further comprising:

transmitting power control command information from the mobile station to the base station; and

transmitting payload information from the base station to the mobile station with a transmit power that is a function of the power control information received from the mobile station.

17. (New) The method of claim 1, further comprising adjusting transmit times at said network based on adjustment requests received from said mobile station.

18. (New) The mobile of claim 12, further comprising:

means determining whether a difference between reception times by the mobile station and said transmit times by the mobile station are within a predetermined range; and

means for generating adjustment request information to be transmitted to said network if the difference is outside of the predetermined range.